

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143206.D
 Acq On : 22 Jul 2025 23:43
 Operator : RC/JU
 Sample : Q2649-17
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

Quant Time: Jul 23 04:55:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	109247	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	387784	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	173436	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	246723	20.000	ng	0.00
76) Chrysene-d12	14.133	240	263072	20.000	ng	0.01
86) Perylene-d12	15.645	264	241200	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	418973	60.689	ng	0.02
7) Phenol-d6	6.598	99	566257	65.166	ng	0.01
23) Nitrobenzene-d5	7.522	82	328441	42.219	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	105963	59.141	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	555137	43.775	ng	0.00
79) Terphenyl-d14	13.074	244	486651	27.528	ng	0.00
Target Compounds						Qvalue
60) Diethylphthalate	10.410	149	32057	2.869	ng	98
71) Phenanthrene	11.516	178	78996	6.030	ng	99
72) Anthracene	11.569	178	30036	2.248	ng	98
75) Fluoranthene	12.704	202	130314	10.838	ng	99
78) Pyrene	12.933	202	124721	5.555	ng	98
81) Benzo(a)anthracene	14.121	228	142938	8.116	ng	96
83) Chrysene	14.157	228	196779	12.426	ng	99
87) Indeno(1,2,3-cd)pyrene	17.180	276	88525	5.205	ng	96
88) Benzo(b)fluoranthene	15.198	252	386850m	26.254	ng	
89) Benzo(k)fluoranthene	15.215	252	122357m	9.306	ng	
90) Benzo(a)pyrene	15.580	252	183826	13.540	ng	98
91) Dibenzo(a,h)anthracene	17.192	278	28695	2.073	ng	95
92) Benzo(g,h,i)perylene	17.650	276	86032	6.425	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

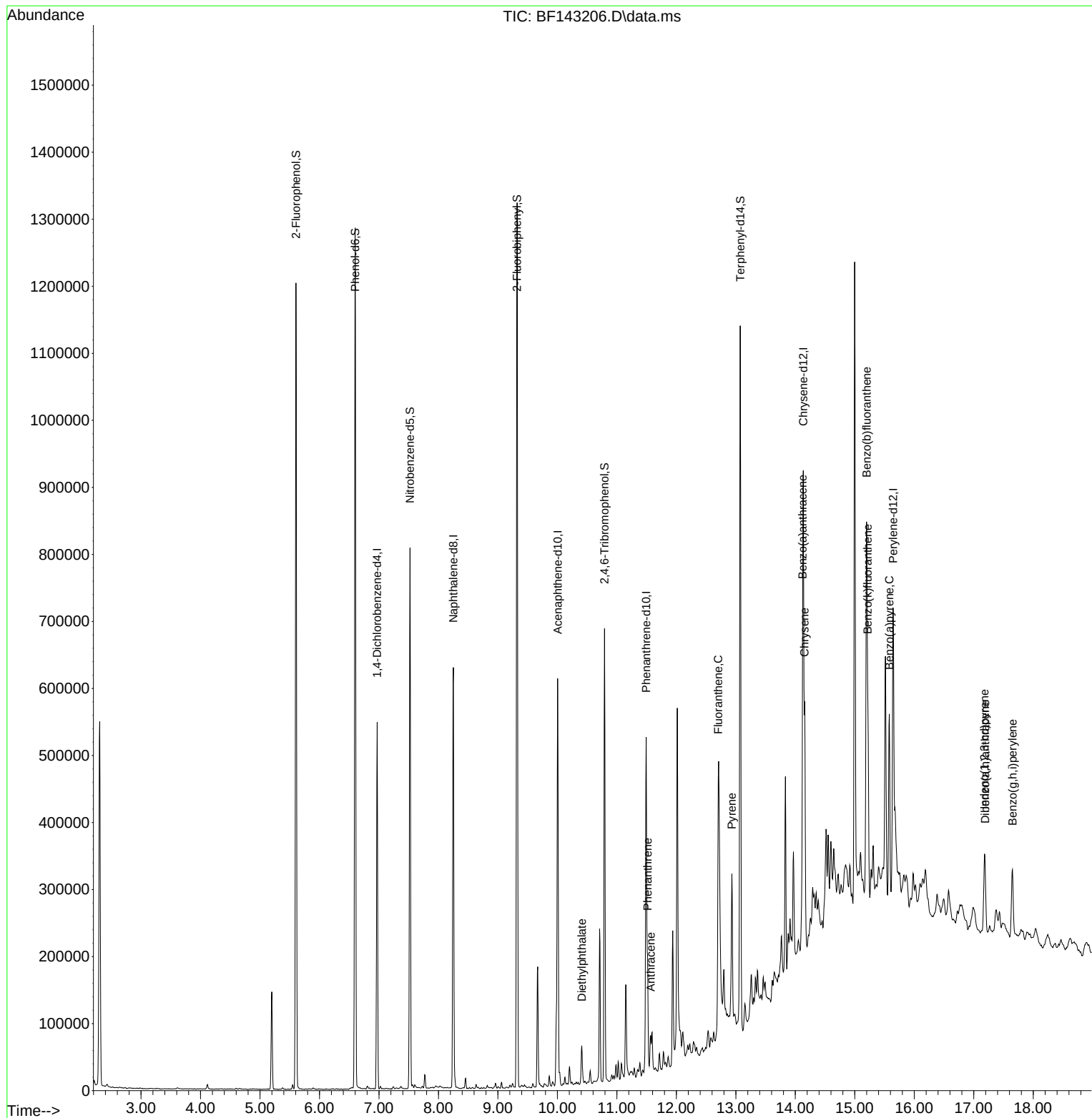
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143206.D
Acq On : 22 Jul 2025 23:43
Operator : RC/JU
Sample : Q2649-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

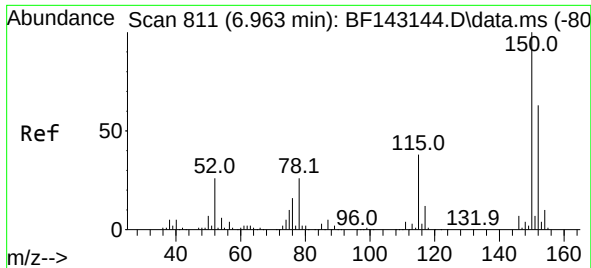
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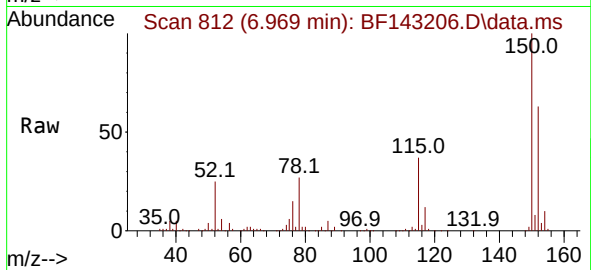
Quant Time: Jul 23 04:55:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

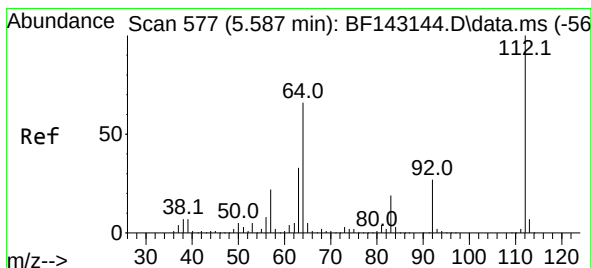
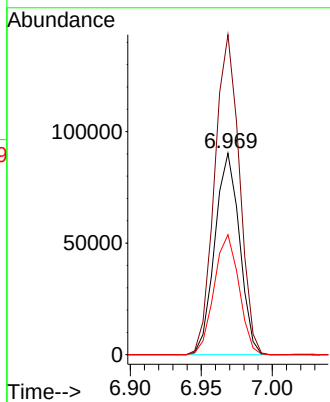
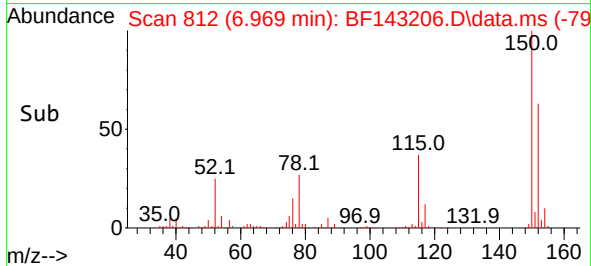
Instrument :
BNA_F
ClientSampleId :
WC-5



Tgt Ion:152 Resp: 10924
Ion Ratio Lower Upper
152 100
150 158.8 128.2 192.4
115 59.5 47.9 71.9

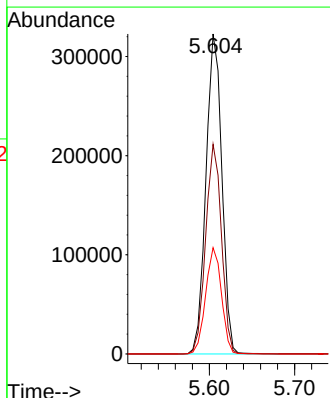
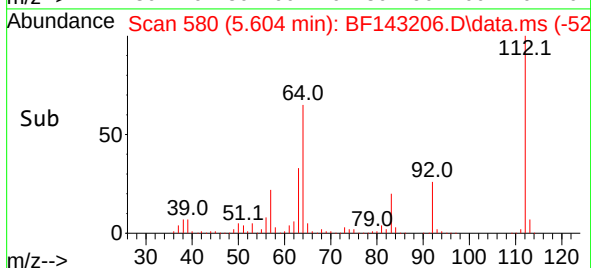
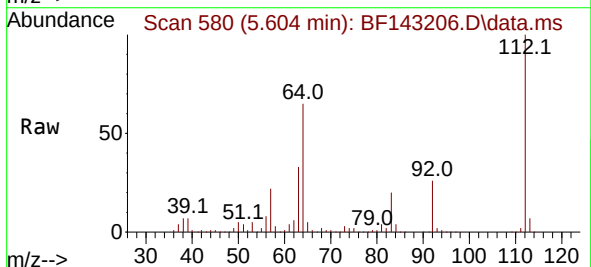
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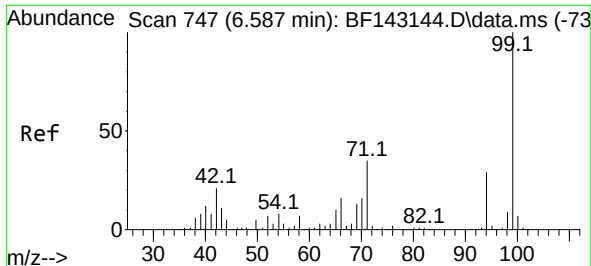
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Supervised By :Jagrut Upadhyay 07/23/2025



#5
2-Fluorophenol
Concen: 60.689 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

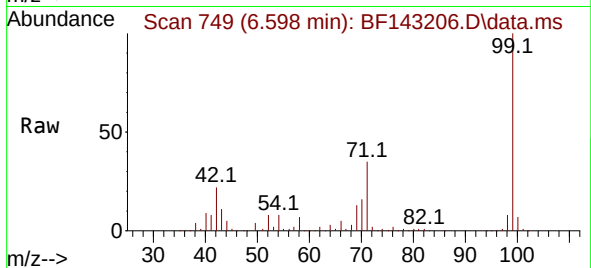
Tgt Ion:112 Resp: 418973
Ion Ratio Lower Upper
112 100
64 65.5 53.1 79.7
63 33.2 26.6 40.0





#7
Phenol-d6
Concen: 65.166 ng
RT: 6.598 min Scan# 74
Delta R.T. 0.012 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

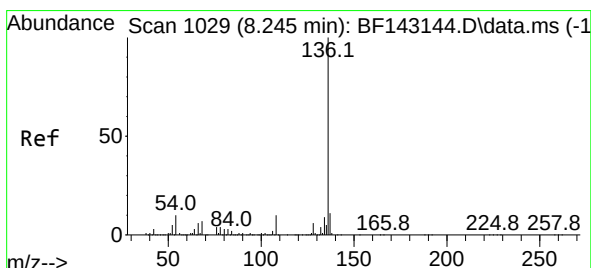
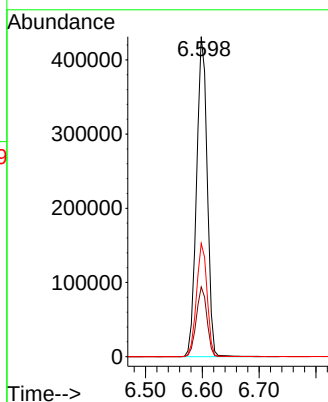
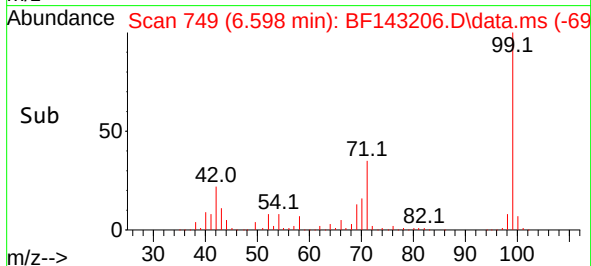
Instrument :
BNA_F
ClientSampleId :
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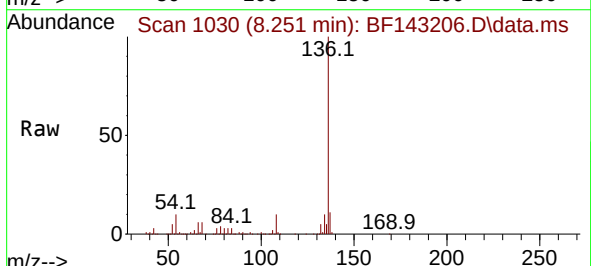
Tgt Ion: 99 Resp: 56625
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 35.4 27.7 41.5

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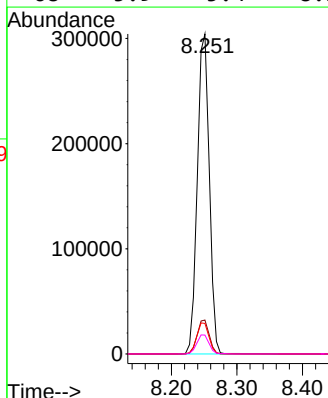
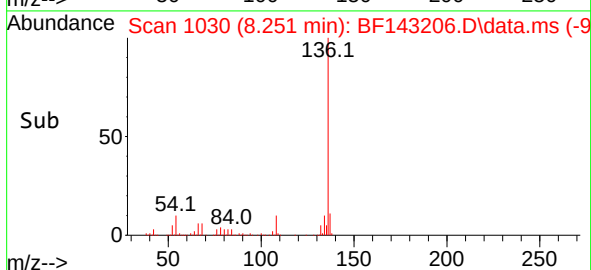
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Supervised By :Jagrut Upadhyay 07/23/2025

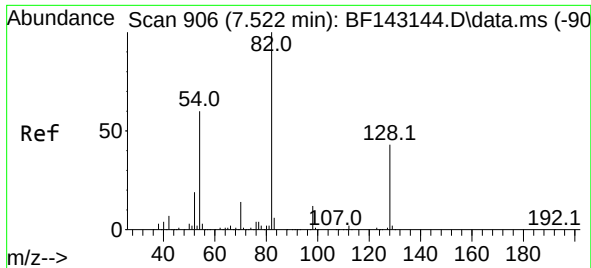


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1030
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43



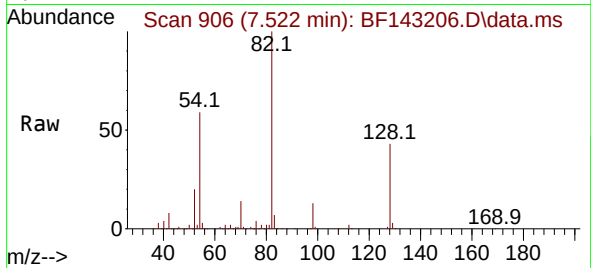
Tgt Ion:136 Resp: 387784
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 9.6 8.2 12.2
68 5.9 5.4 8.2





#23
Nitrobenzene-d5
Concen: 42.219 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.000 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

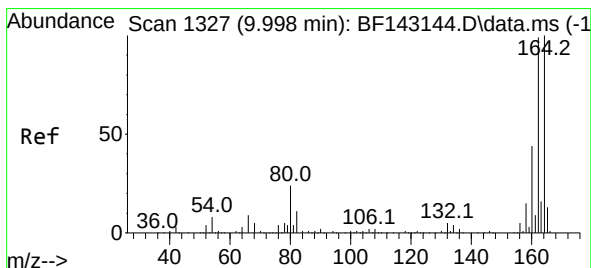
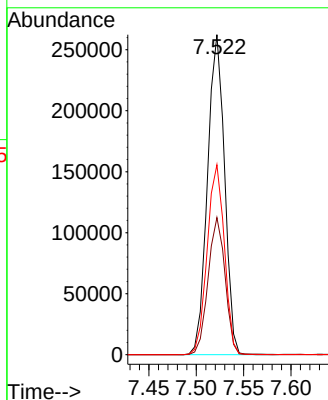
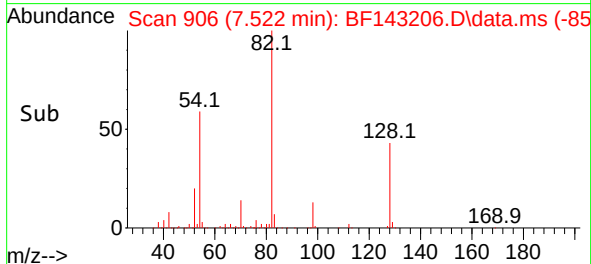
Instrument :
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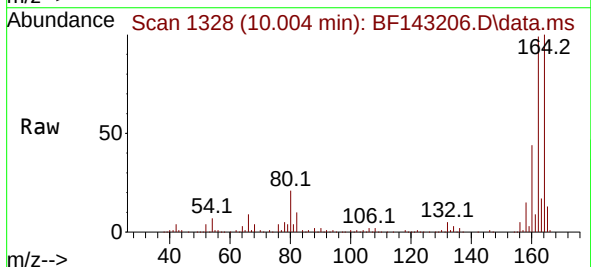
Tgt Ion: 82 Resp: 32844
Ion Ratio Lower Upper
82 100
128 42.9 33.6 50.4
54 59.3 47.1 70.7

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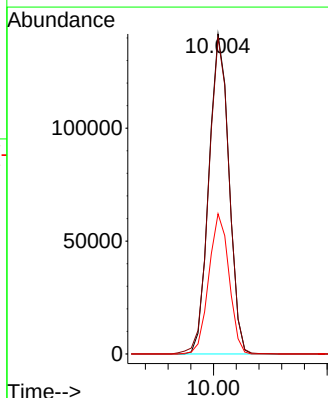
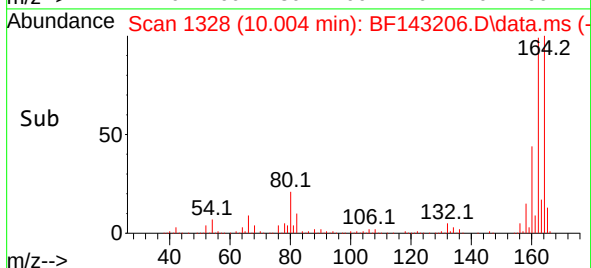
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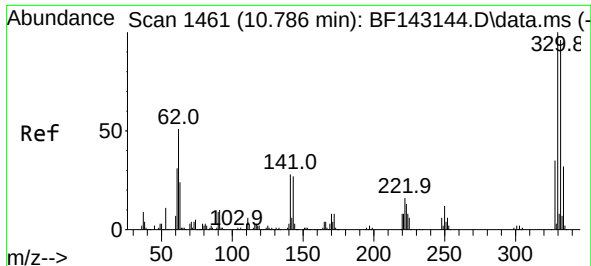


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43



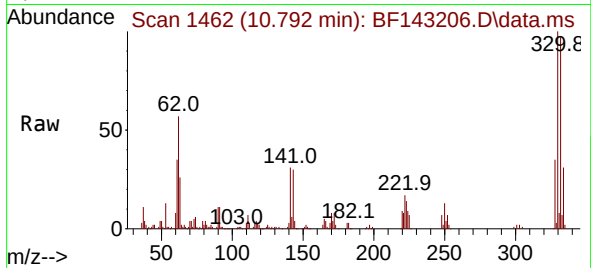
Tgt Ion:164 Resp: 173436
Ion Ratio Lower Upper
164 100
162 98.9 79.0 118.6
160 43.8 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 59.141 ng
RT: 10.792 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

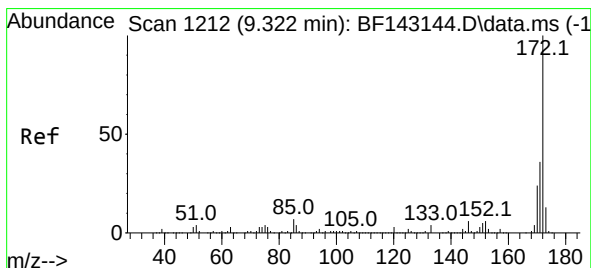
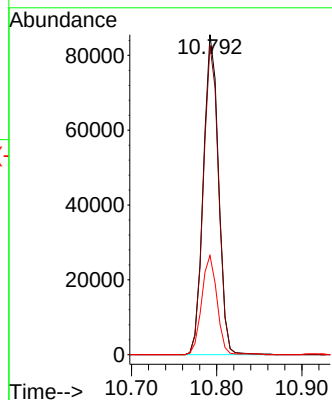
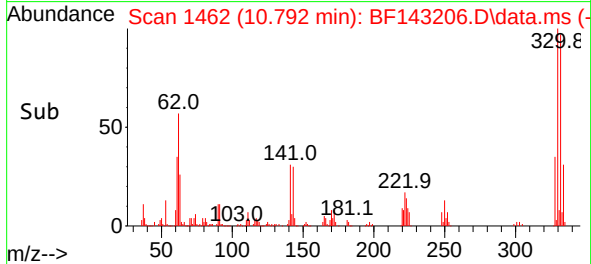
Instrument :
BNA_F
ClientSampleId :
WC-5



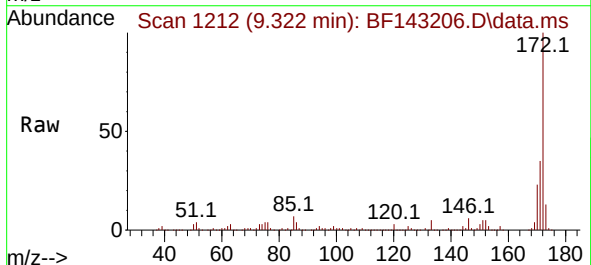
Tgt Ion: 330 Resp: 10596
Ion Ratio Lower Upper
330 100
332 96.6 76.7 115.1
141 31.0 23.3 34.9

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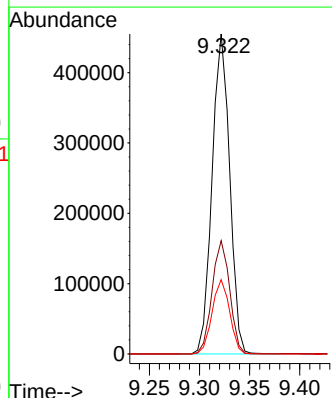
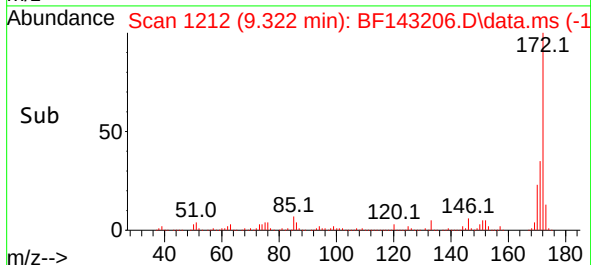
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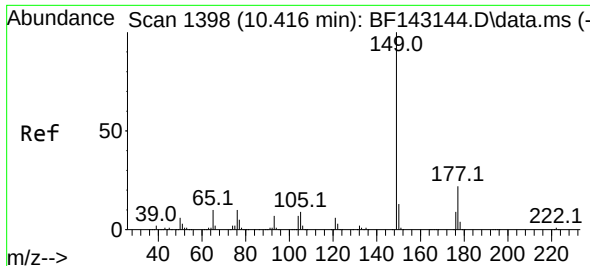


#45
2-Fluorobiphenyl
Concen: 43.775 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.000 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43



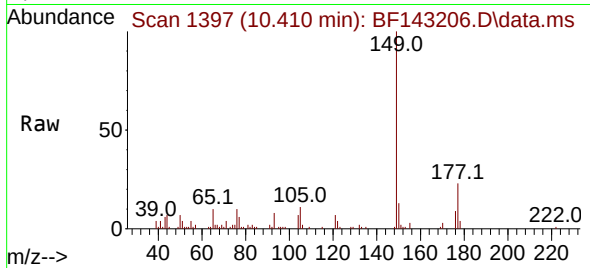
Tgt Ion: 172 Resp: 555137
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.2 18.8 28.2





#60
Diethylphthalate
Concen: 2.869 ng
RT: 10.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

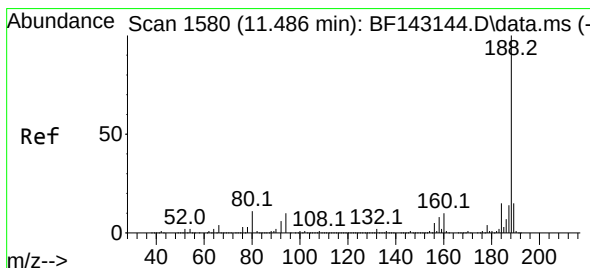
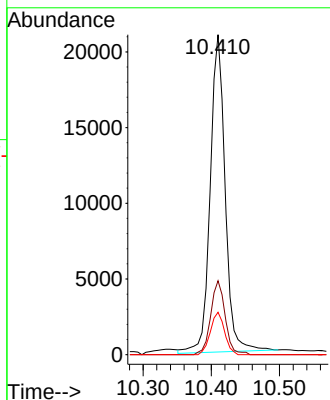
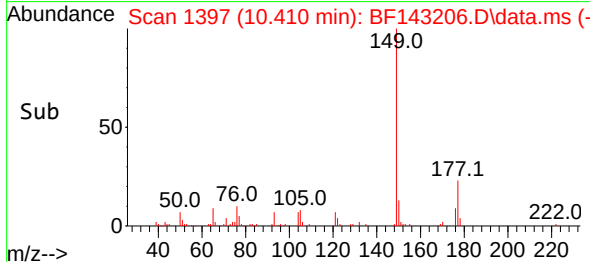
Instrument :
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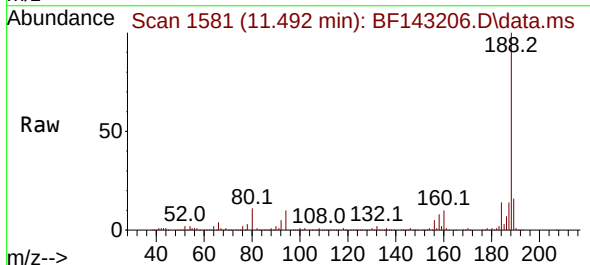
Tgt Ion:149 Resp: 3205
Ion Ratio Lower Upper
149 100
177 23.1 17.5 26.3
150 13.2 10.2 15.2

Manual Integrations
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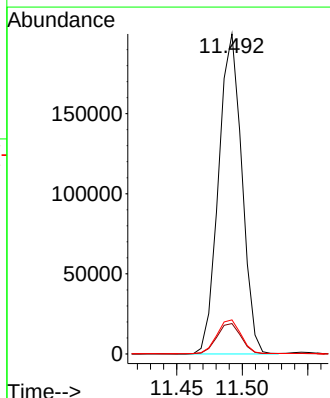
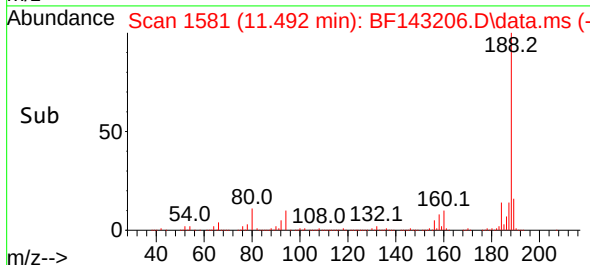
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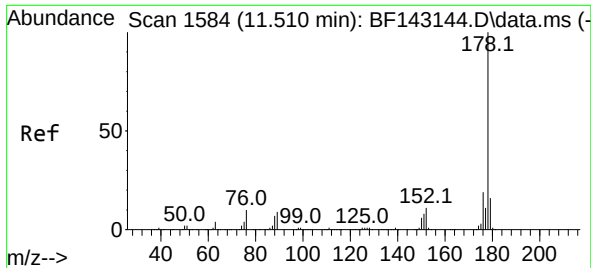


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43



Tgt Ion:188 Resp: 246723
Ion Ratio Lower Upper
188 100
94 9.5 8.3 12.5
80 10.6 9.0 13.6





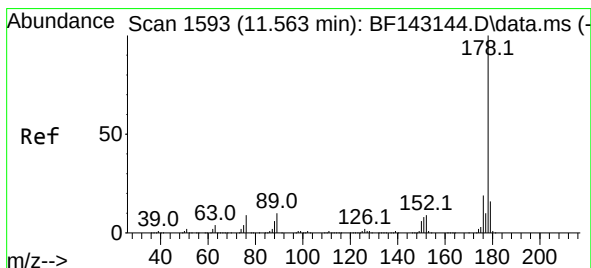
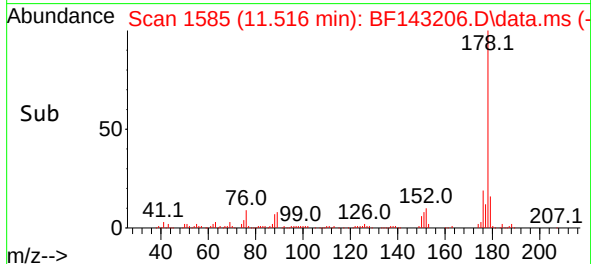
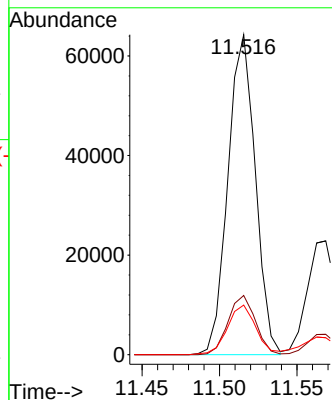
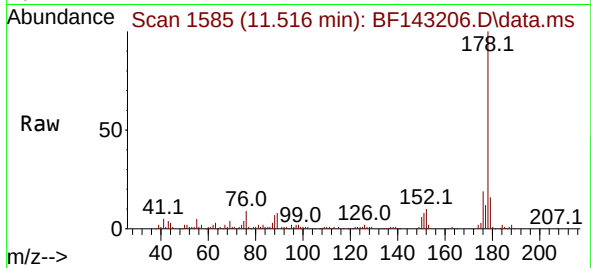
#71
Phenanthrene
Concen: 6.030 ng
RT: 11.516 min Scan# 11584
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:178 Resp: 78990
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.5 12.5 18.7

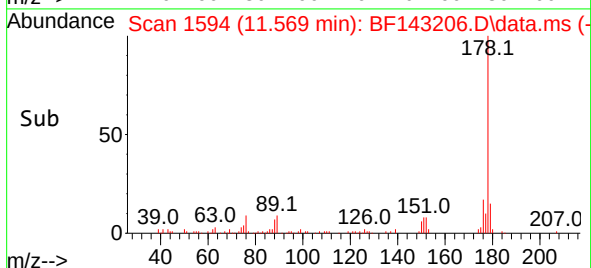
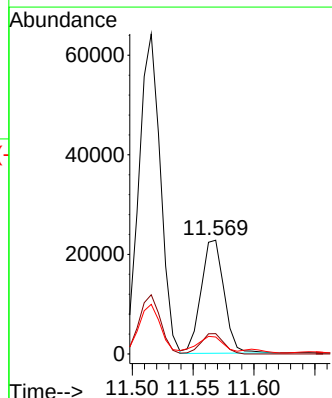
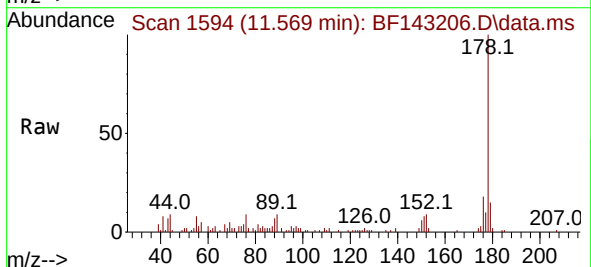
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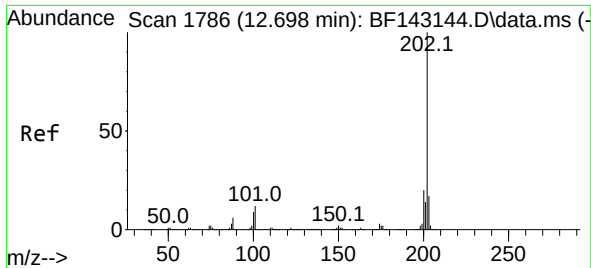
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#72
Anthracene
Concen: 2.248 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

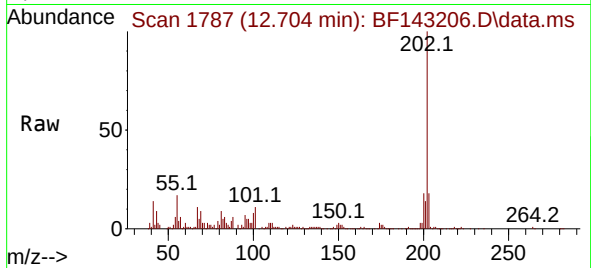
Tgt Ion:178 Resp: 30036
Ion Ratio Lower Upper
178 100
176 17.9 15.0 22.4
179 14.9 12.5 18.7





#75
Fluoranthene
Concen: 10.838 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

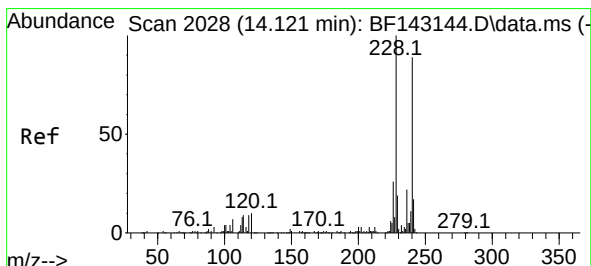
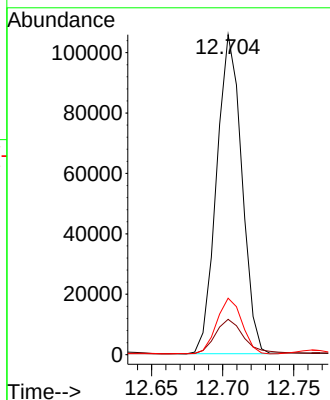
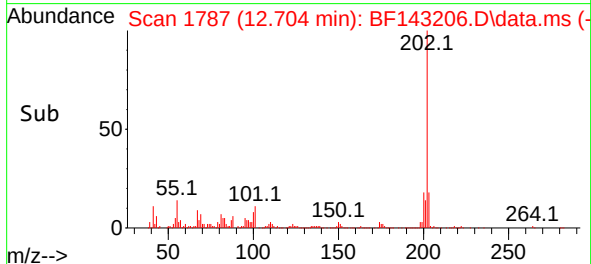
Instrument :
BNA_F
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Tgt Ion:202 Resp: 130314
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.7
203 17.6 0.0 37.4

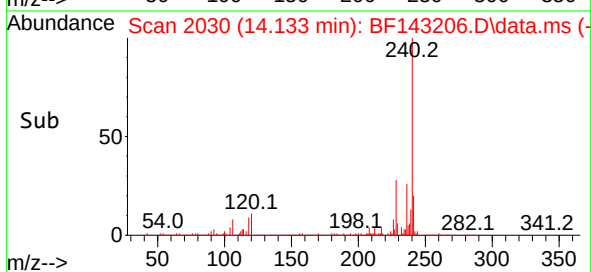
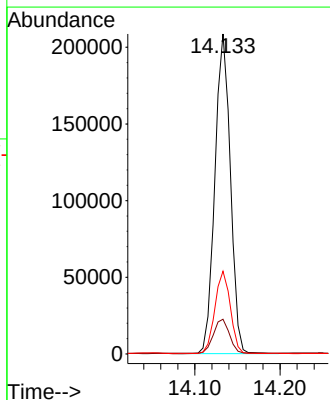
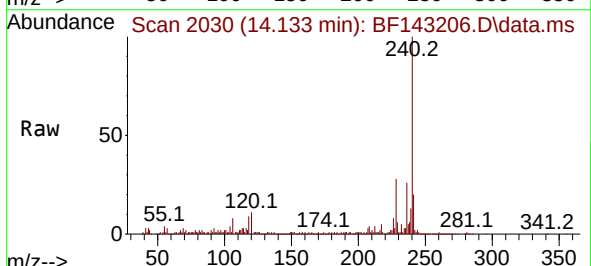
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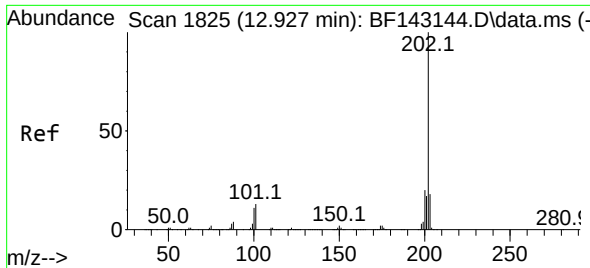
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

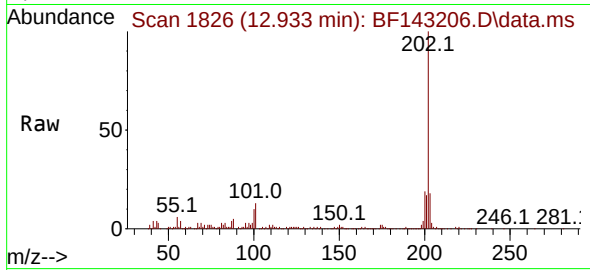
Tgt Ion:240 Resp: 263072
Ion Ratio Lower Upper
240 100
120 10.9 9.4 14.2
236 25.9 20.2 30.4





#78
Pyrene
Concen: 5.555 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

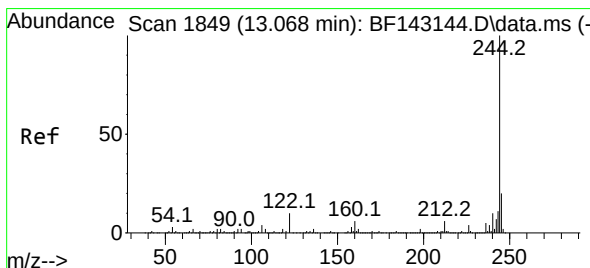
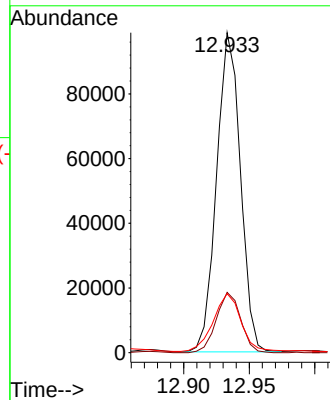
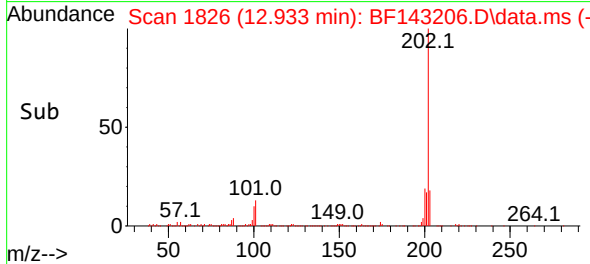
Instrument :
BNA_F
ClientSampleId :
WC-5



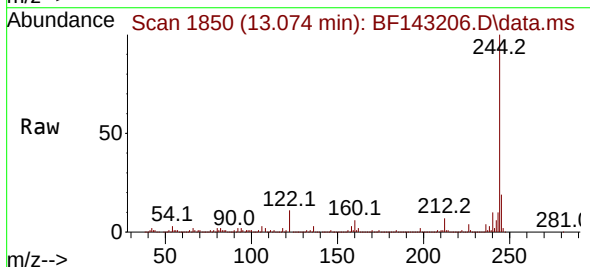
Tgt Ion:202 Resp: 12472
Ion Ratio Lower Upper
202 100
200 18.9 15.7 23.5
203 18.5 14.2 21.2

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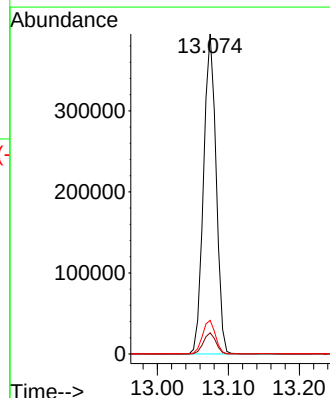
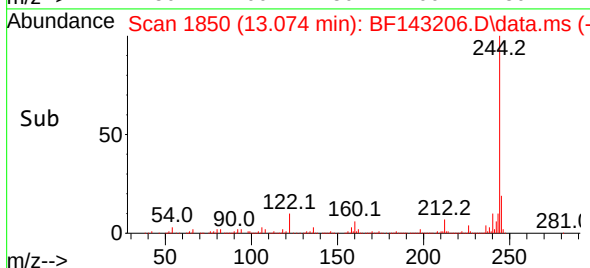
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

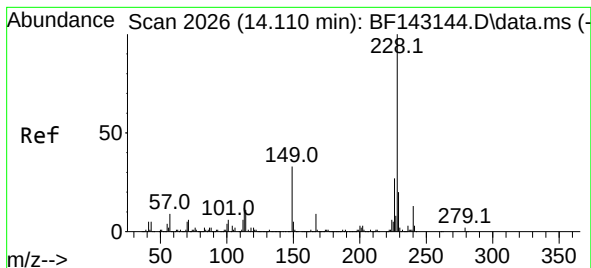


#79
Terphenyl-d14
Concen: 27.528 ng
RT: 13.074 min Scan# 1850
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43



Tgt Ion:244 Resp: 486651
Ion Ratio Lower Upper
244 100
212 6.6 5.2 7.8
122 10.5 8.2 12.2





#81

Benzo(a)anthracene

Concen: 8.116 ng

RT: 14.121 min Scan# 2026

Delta R.T. 0.012 min

Lab File: BF143206.D

Acq: 22 Jul 2025 23:43

Instrument :

BNA_F

ClientSampleId :

WC-5

Tgt Ion:228 Resp: 142938

Ion Ratio Lower Upper

228 100

226 29.0 21.7 32.5

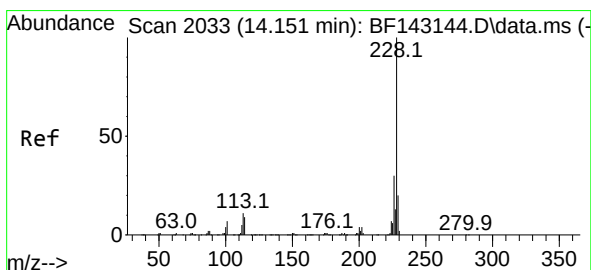
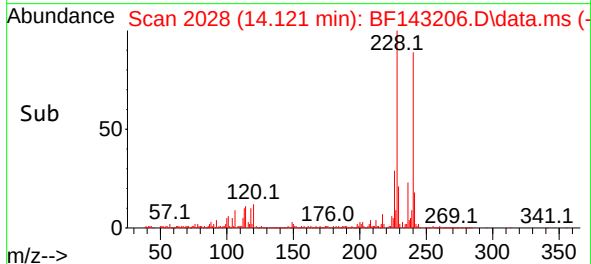
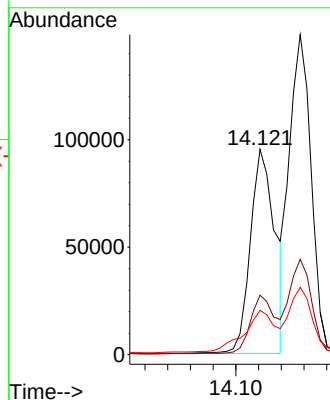
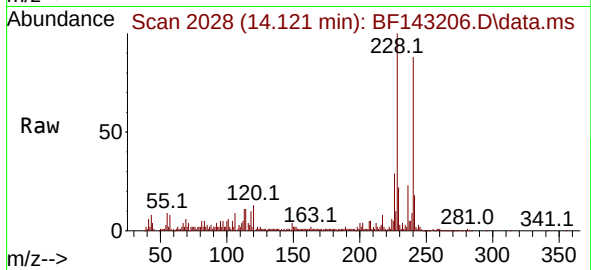
229 21.6 15.8 23.6

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#83

Chrysene

Concen: 12.426 ng

RT: 14.157 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF143206.D

Acq: 22 Jul 2025 23:43

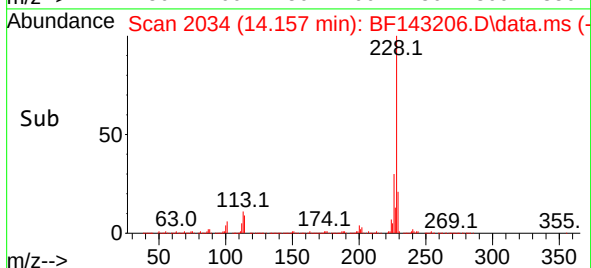
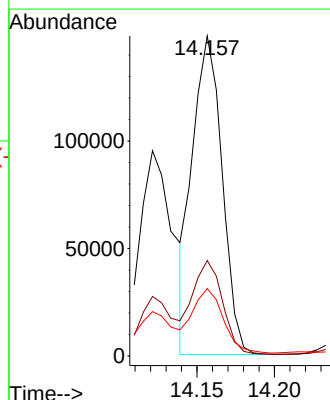
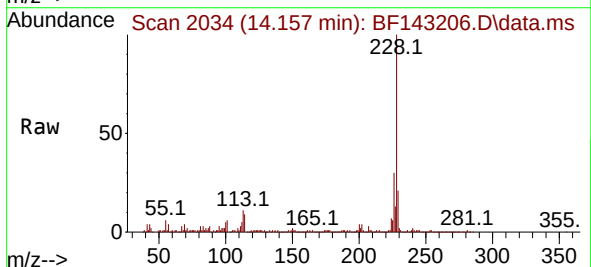
Tgt Ion:228 Resp: 196779

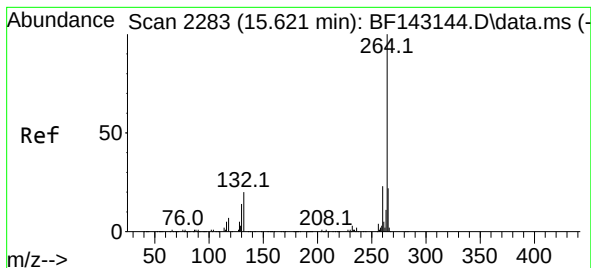
Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

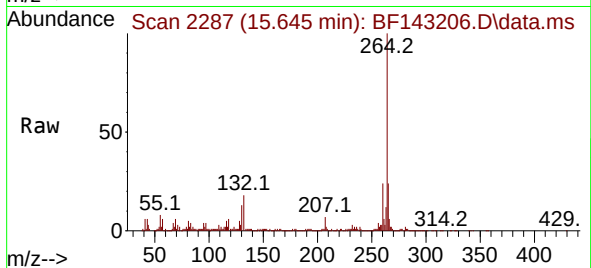
229 21.1 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

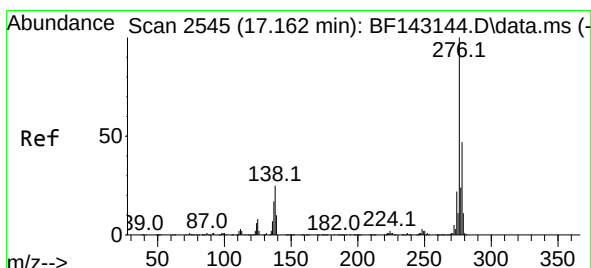
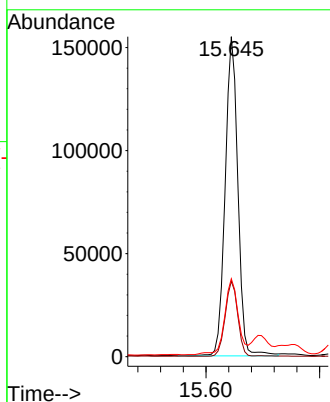
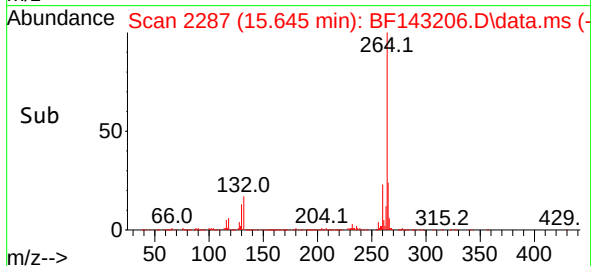
Instrument :
BNA_F
ClientSampleId :
WC-5



Tgt Ion:264 Resp: 241200
Ion Ratio Lower Upper
264 100
260 23.6 18.5 27.7
265 24.4 17.4 26.2

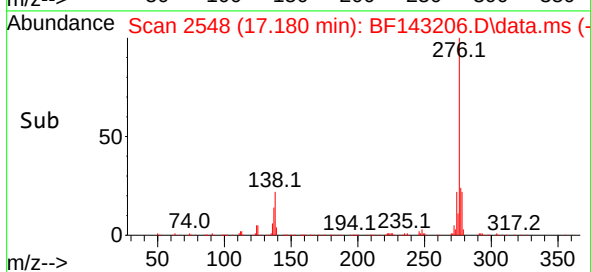
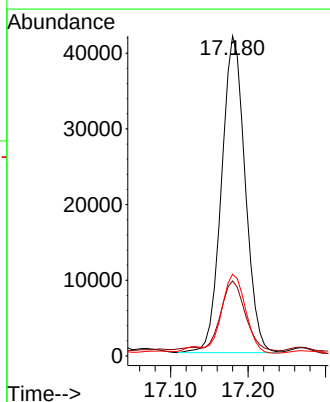
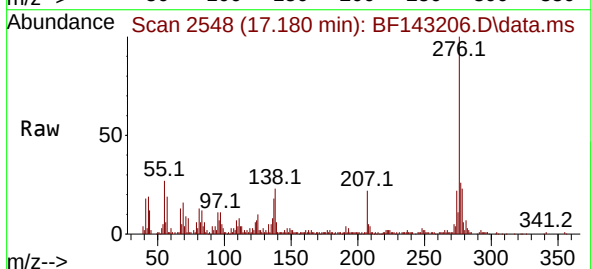
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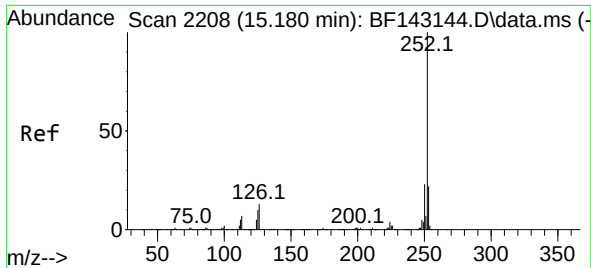
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.205 ng
RT: 17.180 min Scan# 2548
Delta R.T. 0.018 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

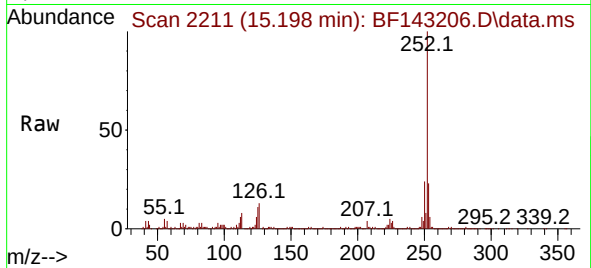
Tgt Ion:276 Resp: 88525
Ion Ratio Lower Upper
276 100
138 23.0 21.8 32.6
277 25.2 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 26.254 ng m
RT: 15.198 min Scan# 2211
Delta R.T. 0.018 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

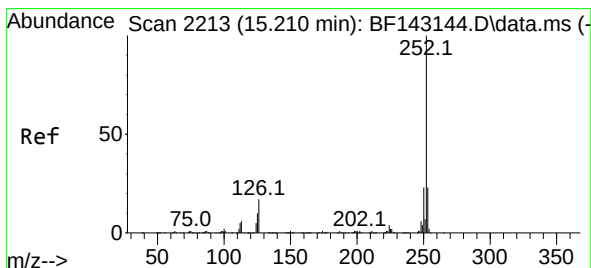
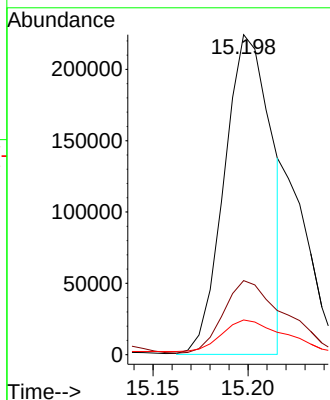
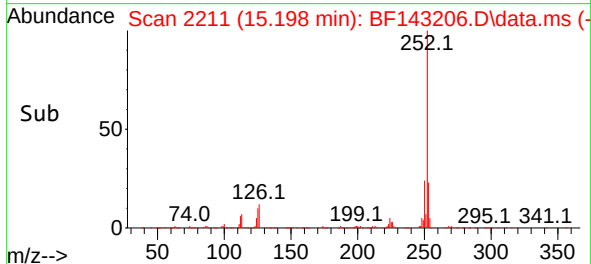
Instrument :
BNA_F
ClientSampleId :
WC-5



Tgt Ion:252 Resp: 386850
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 10.9 8.0 12.0

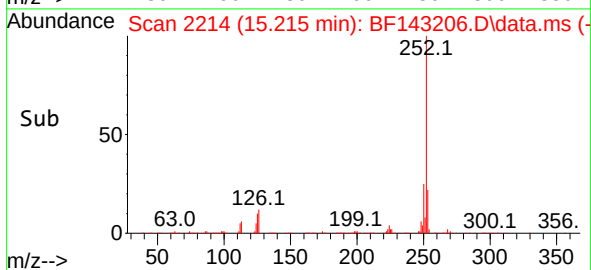
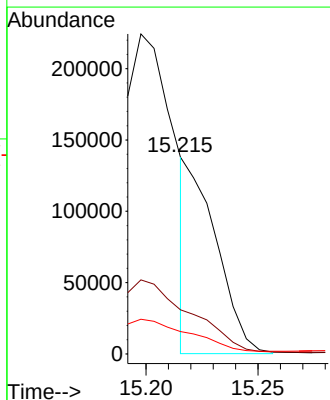
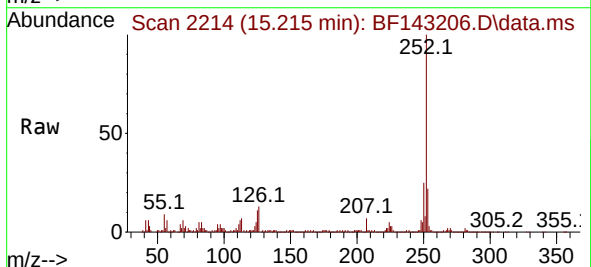
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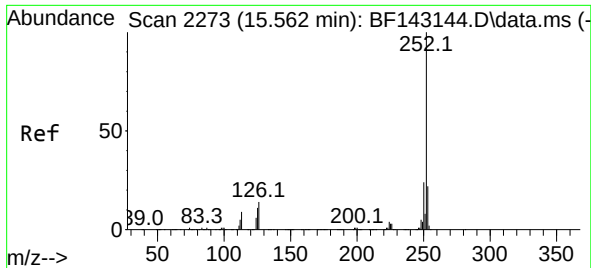
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#89
Benzo(k)fluoranthene
Concen: 9.306 ng m
RT: 15.215 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

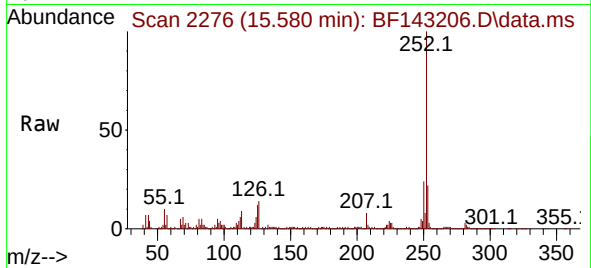
Tgt Ion:252 Resp: 122357
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 11.4 8.1 12.1





#90
Benzo(a)pyrene
Concen: 13.540 ng
RT: 15.580 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43

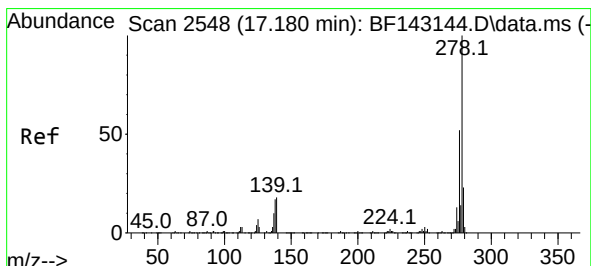
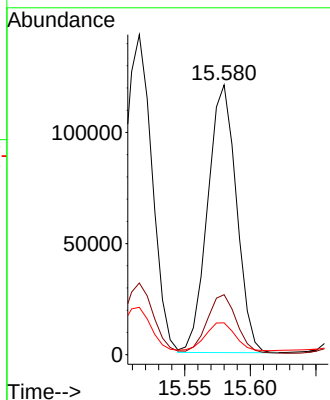
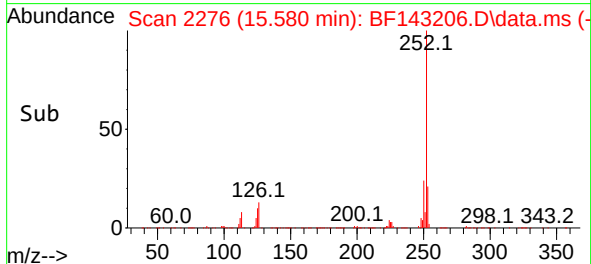
Instrument :
BNA_F
ClientSampleId :
WC-5



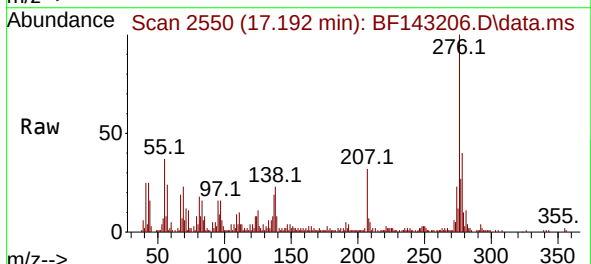
Tgt Ion:252 Resp: 183820
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 11.8 8.6 13.0

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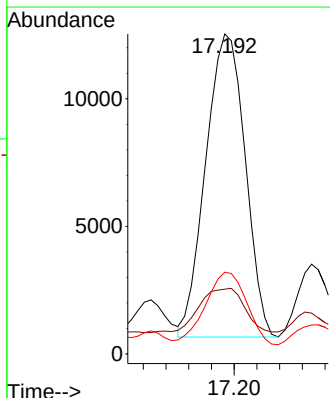
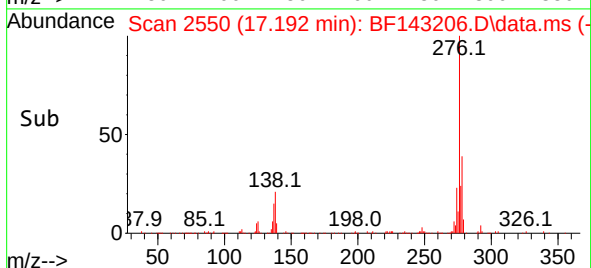
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

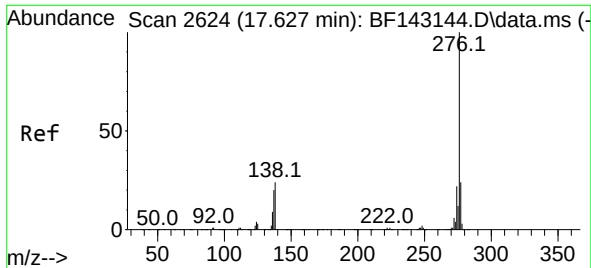


#91
Dibenzo(a,h)anthracene
Concen: 2.073 ng
RT: 17.192 min Scan# 2550
Delta R.T. 0.012 min
Lab File: BF143206.D
Acq: 22 Jul 2025 23:43



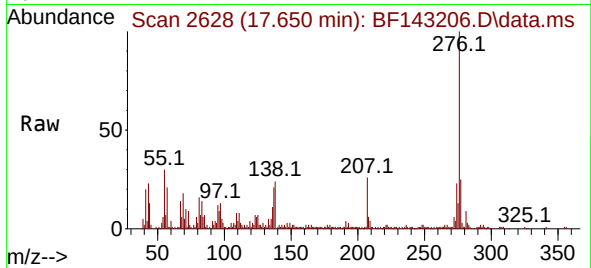
Tgt Ion:278 Resp: 28695
Ion Ratio Lower Upper
278 100
139 20.2 14.1 21.1
279 25.6 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 6.425 ng
 RT: 17.650 min Scan# 20
 Delta R.T. 0.023 min
 Lab File: BF143206.D
 Acq: 22 Jul 2025 23:43

Instrument :
 BNA_F
 ClientSampleId :
 WC-5



Tgt Ion: 276 Resp: 8603

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.1	28.7
138	23.6	18.9	28.3

Manual Integrations
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Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

